

19980223.ba v01\_n936.bam.980223 v01\_n937.bam.980223

>From ???@??? Mon Feb 23 23:23:52 1998  
Message-Id: <199802230933.DAA17181@sco.theporch.com>  
Date: Mon, 23 Feb 1998 03:33:11 CST  
Subject: BOATANCHORS digest 1936

BOATANCHORS Digest 1936

Topics covered in this issue include:

- 1) Collins Filter Info  
by "H. Dave meitzen" <dmeitzen@kwom.com>
- 2) Military Crystal Set  
by "Richard L. Duell" <rduell@iac.net>
- 3) FS: HRO-60 manual copy  
by Avery Comarow <acomarow@USNEWS.COM>
- 4) MILCOMM Problems  
by "Don L. Davis" <dxguy@earthlink.net>
- 5) Meters for GRC-106  
by "Edward J. White" <wa3bzt@dpnet.net>
- 6) re:BA List (Lust?) Gear Roll Call 2/21/98  
by William Donzelli <william@ans.net>
- 7) small xfrmr Identity  
by w5sum@ms1.nwla.com
- 8) What is it.  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 9) Re: BA List (Lust?) Gear Roll Call 2/21/98  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 10) Drake 2B info  
by Brien Pepperdine <pepperb@govonca.gov.on.ca>
- 11) Re: BA List (Lust?) Gear Roll Call 2/21/98  
by Ken Gordon <keng@uidaho.edu>
- 12) Wanted...FT-243 Crystals.....  
by "Robert S. Ross" <radiorob@serix.com>
- 13) Collins 75A1 at Dalton, GA hamfest  
by Bill Wilson <billo@internettport.net>
- 14) Re: What is it.  
by Al Klase <skywaves@bw.webex.net>
- 15) WTB: Station Monitor  
by Brian Bjerkelund <brianbj@compuserve.com>
- 16) Livonia, Michigan Hamfest Report.....  
by "Robert S. Ross" <radiorob@serix.com>
- 17) RDF help needed  
by "Robert Nickels" <ranickel@mwci.net>
- 18) yet another LTV receiver  
by Nick England <nick@cs.unc.edu>
- 19) Re: San Diego BA Spots?

- by Richard Brisson <hagelin@magi.com>  
20) Re: Hallicrafters S27  
by Jerry Proc <jproc@idirect.com>  
21) Re: Halli. S27/SX27  
by Andre Guibert <aguibert@sympatico.ca>  
22) Re: Hallicrafters S27  
by Dave Prince <davprin@gil.com.au>  
23) Re: Heat and Power Transformers  
by Henry van Cleef <vancleef@netcom.com>  
24) FS: 6083/AX9909 Tubes  
by Hal Waite <halwaite@sprintmail.com>  
25) Johnson 500 price?  
by "Roger A. McCarty" <rmccarty@earthlink.net>

-----  
Date: Sun, 22 Feb 1998 15:47:00 -0500  
From: "H. Dave meitzen" <dmeitzen@kwom.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Collins Filter Info  
Message-ID: <34F08EC4.682D4789@kwom.com>

I guess this is my weekend for filters.. Would appreciate info on the following

I have two Rockwell filters that have no  
Bandpass marking, part numbers  
526 9690 010 FA style package  
526 9427 000 FA style package

On the following I am curious what these were manufactured for?

And confirm the bandpass

1. Y style package Collins

.F 455 Q 2 6630 200HZ? or 2khz?

526 9309 0?

2. Y style package Collins

.F 455 Y 21 6418

526 933 00

I tried the Vector Control Systems Filter

PN 455A4-CW in my A4

I switched back and forth between it and a standard 500HZ

Collins unit. Sounded good. Maybe a little less insertion

loss than the Collins unit. Later I plan to put the spectrum analyzer on it

To compare the actual bandpass. I tried changing the top adjustment

On the Vector. This adjustment apparently had little effect on bandpass

And more on insertion loss. Another thing to look at with the analyzer.

Best Regards  
Dave AA9TT

-----  
Date: Sun, 22 Feb 1998 16:45:37 -0500  
From: "Richard L. Duell" <rduell@iac.net>  
To: boatanchors@theporch.com  
Subject: Military Crystal Set  
Message-ID: <199802222147.QAA21596@mail.iac.net>

I recently picked up a set of 120 crystals in FT-241-A holders. The set starts at channel 270 (27.0 MC) and goes through channel 389 (38.9 MC) in .1 MC increments. They are all nicely lined up in their original box.

Anyone know what they go to? Anyone need them to put a unit back in fighting fettle?

73, Rich - W5VDU

-----  
Date: Sun, 22 Feb 1998 16:06:54 -0600 (CST)  
From: Avery Comarow <acomarow@USNEWS.COM>  
To: boatanchors@theporch.com  
Subject: FS: HRO-60 manual copy  
Message-ID: <199802222206.QAA09549@sco.theporch.com>

I have come into possession of an \*original\* HRO-60 manual and no longer need the copy I already had. I will sell it for \$12 postpaid to the first response.

Avery W40GK

-----  
Date: Sun, 22 Feb 1998 15:12:34 -0800  
From: "Don L. Davis" <dxguy@earthlink.net>  
To: boatanchors@theporch.com  
Subject: MILCOMM Problems  
Message-ID: <34F0B0C5.81D@earthlink.net>

A number of folks (myself included) have had big problems with the MILCOMM NG list the past few weeks. I finally figured it out - the MILCOMM NG is DEAD! Long live the MILCOMM NG!

Some person converted everyone over to the MILCOM NG thinking it was the same thing. You are now on MILCOM NG - a bunch of scanner listeners who report out loooooong, boring lists of refueling babble, and tower reports, etc. I actually got paid to listen to that stuff in the AF, so it's beyond the pale why folks would do that as a hobby.

Anyhow, you need to unsubscribe to the MILCOM NG, not MILCOMM. It was fairly dead anywho, probably won't be missed. Boatanchors@theporch is better.

PS Don't waste your time writing to the listowners or ops, they don't care & they'll let you know it in one or two well chosen words.

73s don davis DXGUY@earthlink.net

-----  
Date: Sun, 22 Feb 1998 17:29:59 -0500  
From: "Edward J. White" <wa3bzt@dpnet.net>  
To: "Boatanchors" <boatanchors@theporch.com>  
Subject: Meters for GRC-106  
Message-ID: <00d301bd3fe1\$698ece40\$7d049cce@default>

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00D0\_01BD3FB7.7FF88380  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

I am looking for the meters or any information on a replacement meters =  
for the following equipment:

MD-255A/GRC

AM-3349/GRC-106

RT-834/GRC-106

any information will help

73

Ed White

WA3BZT

-----=\_NextPart\_000\_00D0\_01BD3FB7.7FF88380

Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

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http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>  
</HEAD>

<BODY bgcolor=3D#ffffff>  
<DIV><FONT color=3D#000000 size=3D2>I am looking for the meters or any =  
information=20  
on a replacement meters for the following equipment:</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>MD-255A/GRC</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>AM-3349/GRC-106</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>RT-834/GRC-106</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>any information will =  
help</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>73</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>Ed White</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>WA3BZT</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_00D0\_01BD3FB7.7FF88380--

-----  
  
Date: Sun, 22 Feb 1998 17:59:09 -0500 (EST)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: re:BA List (Lust?) Gear Roll Call 2/21/98  
Message-ID: <Pine.GS0.3.96.980222174716.1142A-1000000@titan.purch.ans.net>

> Is there a BA that no one on the list has??.....I know there is a KW-1 on  
> the list, Cosmophones,  
> Gonsets, some pretty odd and rare stuff here!!

Does anyone on this list have the Navy's RAG or RAH? Apparently, they were  
built alongside the well known RAK and RAL, but for some reason died out.  
I have never seen one, yet references to them pop up all over the place.

Another Navy set (a biggie) I know none of, yet were made in good sized  
quantities, is the TAQ transmitters. Being lowfers, they probably started

to get chopped up right after the surplus scene started. Additionally, I have never seen a manual for any of the TAQs - I would have expected some of those to survive.

Of course the beauty of this boatanchor fun is that all three of these things may show up in a barn next week.

William Donzelli  
william@ans.net

-----  
Date: Sun, 22 Feb 1998 17:07:11 +0000  
From: w5sum@ms1.nwla.com  
To: boatanchors@theporch.com  
Subject: small xfrmr Identity  
Message-ID: <199802222305.RAA26220@ms1.nwla.com>

howdy men

I found this small, new, unused transformer at my mothers house today. Her place still turns up a goody now and then, from my early amateur days when I was a young-un livin at home.

don't know what this is, or where I got it. But someone may need it, and I would like to get it identified if possible.

Kenyon Transformer Company, New York, NY

p/n T-451

has six terminals	0	0	0
P	B	P	
0	0	0	
0	3000	5000	

Audio transformer maybe?

Ronnie  
W5SUM - Ronnie Hull  
PO Box 8941  
Shreveport, La 71148

-----

Date: Sun, 22 Feb 1998 19:01:48 -0500  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: <boatanchors@theporch.com>  
Subject: What is it.  
Message-ID: <003744102001728UPIMSSMTPUSR02@email.msn.com>

Here is a device for you. Found it in the SP Radar set aboard the Sullivans inside a very solid metal housing. It appears to be either a lighting or surge protector. About the size of a small 12 prong tube and it has an adjustable air gap with a knurled knob adjustment on one end. Numbers as follows.

JAN-CBNQ 6322  
Looks like "Bonutc"  
Made in USA (Thats a switch!)  
5932  
152

Last two numbers randomly placed on the envelope.

Any hints as to specs, voltages, etc.?  
Thanks and I am really enjoying the list.

Paul Bernhard W2TU/NNN0GNB

w2tu@msn.com

-----  
Date: Sun, 22 Feb 1998 00:59:51 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: william <william@ans.net>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: BA List (Lust?) Gear Roll Call 2/21/98  
Message-ID: <199802230059.AAA07633@punt1.hw.ac.uk>

On 1998-02-22 william@ans.net said:

wi>> Is there a BA that no one on the list has??.....I know there is a  
wi>>KW-1 on the list, Cosmophones,

Likewise I'm looking for any product of Rainbow Radio, Lancashire, UK, circa 1945; they soon turned to making channel converters for the "new" TV channels here (I'm not looking for those - just one of their excellent "utility" (in the best sense) LMS domestic sets. Rainbow Radio

also made a TV projector, I think, with the Schmidt mirror optics; I don't think I'd be able to afford one of those. (BW only. They never went into colour; from mid 50s they quite rapidly changed to science teaching equipment under the name Unilab, and more recently exported all over the world.)

Bill

GM8APX, qthr=No 6, EH4 6JY==No Rectangulars=Cave Felem==Ikke Hawkering

Aiunt multum legendum esse, non multa

Net-Tamer V 1.10 - Registered

-----  
Date: Sun, 22 Feb 1998 20:26:24 -0500 (EST)  
From: Brien Pepperdine <pepperb@govonca.gov.on.ca>  
To: drakelist@baltimoremd.com, boatanchors@theporch.com  
Subject: Drake 2B info  
Message-ID: <Pine.OSF.3.93.980222202308.6573A-100000@govonca2.gov.on.ca>

Anyone who might have pearls of wisdom on owning and of course using the Drake 2B / 2Q receiver 'system', I would appreciate any info and comments you might have. I think I have heard generally nice things over a few years on Lists, and now one seems to have come available to me. I will go listen and look, and look forward to any offered opinions.

Thanks  
Brien  
VE3VAW  
pepperb@gov.on.ca

-----  
Date: Sun, 22 Feb 1998 17:45:36 -0800 (PST)  
From: Ken Gordon <keng@uidaho.edu>  
To: Arden Allen <aallen@sirius.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BA List (Lust?) Gear Roll Call 2/21/98  
Message-ID: <Pine.BSF.3.95.980222174420.12781B-100000@piobaire.mines.uidaho.edu>

> use a pass word and each querie was logged. I would hate to read in the  
> paper about someone's collection being stolen while away on vacation. Ya'



> never know about these things. Am I being paranoid?  
>

No. "Just because you aren't paranoid, doesn't mean they aren't out to get you".

I would think that such a list would be valuable to us BAers, but should be ONLY password accessible.

Ken W7EKB

-----  
Date: Sun, 22 Feb 1998 21:51:26 GMT  
From: "Robert S. Ross" <radiorob@serix.com>  
To: boatanchors@sco.theporch.com  
Subject: Wanted...FT-243 Crystals.....  
Message-ID: <3.0.16.19980222211634.384fd2b2@serix.com>

Hello:

I am looking for quantities of FT-243 Crystals.....Both HF freqs and 2 meter Freqs. Have Several HF Boatanchors, and a Clegg 2 Mtr AM Rig that require these Crystals to get on the air....

Please email me direct at... radiorob@serix.com if you have any for sale.

Regards...ROB.

Robert S. Ross VA3SW  
London, Ontario, CANADA

Radio DX'er  
Antique Radio Enthusiast

Wayward home for Hot Tubes....Heavy Radios...and Chrome Microphones!!!

-----  
Date: Sun, 22 Feb 1998 20:22:19 -0600

From: Bill Wilson <billo@internettport.net>  
To: "boatanchors@theporch.com" <boatanchors@theporch.com>  
Subject: Collins 75A1 at Dalton, GA hamfest  
Message-ID: <34F0DD5A.6F32098F@internettport.net>

If anyone needs a 75A1 let me know. I can bring it to Dalton this SAT.  
It's in good shape and works well although it is missing the slug cover  
inside. The price is \$225.

Thanks,

Bill  
W4BIZ  
Jacksonville, Al.

-----  
Date: Sun, 22 Feb 1998 21:22:27 -0500  
From: Al Klase <skywaves@bw.webex.net>  
To: w2tu@email.msn.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: What is it.  
Message-ID: <34F0DD63.364544D@bw.webex.net>

Tube Lore sez a 6322 is TR tube, 1285 MHz, Tunable, 450KW  
Does that make any sense in your application?

Paul Bernhard Sr. wrote:

>  
> Here is a device for you. Found it in the SP Radar set aboard the Sullivans  
> inside a very solid metal housing. It appears to be either a lighting or  
> surge protector. About the size of a small 12 prong tube and it has an  
> adjustable air gap with a knurled know adjustment on one end. Numbers as  
> follows.  
>  
> JAN-CBNQ 6322  
> Looks like "Bonutc"  
> Made in USA (Thats a switch!"  
> 5932  
> 152  
>  
> Last two numbers randomly placed on the emvelope.  
>  
> Any hints as to specs, voltages, etc.?  
> Thanks and I am really enjoying the list.  
>  
> Paul Bernhard W2TU/NNN0GNB

>  
> w2tu@msn.com

--  
Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ 08822  
Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Date: Sun, 22 Feb 1998 21:31:09 -0500  
From: Brian Bjerkelund <brianbj@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: WTB: Station Monitor  
Message-ID: <199802222132\_MC2-3450-4773@compuserve.com>

Hi Gang:

Want to buy a "sample" type station monitor, in which the antenna coax connects in and out, with two-tone generator.....

One I can use with ri\*x b\*xes as well as BA gear.....

Brian, K7AIS  
Portland, OR

-----  
Date: Sun, 22 Feb 1998 22:34:36 GMT  
From: "Robert S. Ross" <radiorob@serix.com>  
To: boatanchors@sco.theporch.com  
Subject: Livonia, Michigan Hamfest Report.....  
Message-ID: <3.0.16.19980222215919.384feb64@serix.com>

Hello Folks:

Today I made the trek to Livonia, Michigan for the annual Hamfest. it is actually held in Dearborn...at the Civic Center. The Vendor population was down this year...but the buyer population seemed high...the place was packed....not a lot of Dancin' room in the aisles. Lots of Boatanchor Boys there....but most were buyers...not a lot of sellers. Saw a Collins KWM-2 in Nice Shape go for \$700.00, A Hallicrafters HT-32 Transmitter in Nice shape for \$85.00, some Heath stuff....Mohawk and accessories , Lots of Tube guys there...one selling stuff using the AES Catalog as his Pricelist!! Saw a Shure 55S Big Elvis Chrome Mic for \$75.00....but when I picked it up to look at it....the Vendor told me to "Put it Down.....that's real valuable!!".....so I put it down Laughed and went on to look at "Less

Valuable Stuff". I didn't see anyone else pick it up....and it was still there when I left....guess everyone was afraid they couldn't afford it!! HIHI.

While I was there I had a chat with Gary Cheek KG8LB and Tom Bowes (Forget Call??)...a couple of Bigtime Boatanchor Guys from the Utica, Mich area. Gary had been holding an Electrovoice 419 Replica Base he had made for me from Solid Brass!! This is real nice...just like the Grey Painted 419 Base....but this one is Gold Coloured Natural Brass...with a nice Patina. Gary is a Metal Worker.....and made this from scratch with a Home Made mould. Gary and Tom ...also have made some Great Looking 419 Bases that are Black Wrinkle Finished with a Red/Gold Collins meatball Emblem on the front. I have one of those too.....and they are the Absolute "Coolest" Mic Stand I have ever seen!! Aparently they made some with the "Winged Emblem" too...but none are left....perhaps another run will be forthcoming....I'll be buying one of those if that happens.

Only spent about \$40.00 Bucks today...which is an all time low for me at a Hamfest!! Found 14 FT-243 Crystals, a couple of Heathkit Manuals...including a CB-1 Lunchbox Manual, a few books, and a nice stack of Sams Photofacts for Audio Gear, and a few Early Portable TV's.

I'm beginning to think that I like "Outdoor" Hamfests more all the time.....this "Wrasslin' in Confined Spaces" is getting to be too much for me...maybe I'm gettin old??? 42 Years....but feel like 82 when I'm gettin' Squashed between an Old Teletype Machine and the Butt end of a Vendors Table!! HIHI.

Had fun though....I'll be back.

Regards/73...ROB.  
Robert S. Ross      VA3SW  
London, Ontario, CANADA

Radio DX'er  
Antique Radio Enthusiast

Wayward home for Hot Tubes....Heavy Radios...and Chrome Microphones!!!

-----  
Date: Sun, 22 Feb 1998 19:27:20 -0600  
From: "Robert Nickels" <ranickel@mwci.net>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Subject: RDF help needed  
Message-ID: <028601bd4007\$4c718a20\$308a3ece@default>

Hi All,

Has anyone seen or own an RCA RadioMarine direction finder, model AR-8711? It's a two-piece unit with the RF/IF and 12" loop antenna (which I have) and a remote power supply/audio chassis (which I don't). Covers LF, BC, and 1.8-5 Mhz so it would be a cool radio to get working if I can get a schematic that shows what the interconnections at the 21 pin Cinch-Jones socket do...way more wire's than I'd guess were needed. With 7 tubes on the RF/IF deck it outta be worth the effort.

Thanks for any help - if anyone knows if these are in Riders/Sams that would be a good start.

73, Bob W9RAN

-----  
Date: Sun, 22 Feb 1998 22:22:25 -0500 (EST)  
From: Nick England <nick@cs.unc.edu>  
To: boatanchors@theporch.com  
Subject: yet another LTV receiver  
Message-ID: <199802230322.WAA10969@altair.cs.unc.edu>

I must be addicted to receivers with black fronts and strange knobs. At the Vienna VA fest today (nice meet by the way) I picked up an LTV G175F-2 receiver. This is a VHF unit and appears to have been made by CEI. Has two bands 30-90 MC and 60-260 MC with 300-75-10 kc IF and FM, AM, and CW modes.

It is chock full of nuvistors with a few squalid-state devices for audio, etc. I got it to semi-work, but there is some oscillation that swamps out the audio and only the 300KC position works.

So if anyone has a schematic or manual for this cute "spp[2ook" receiver, I'd really appreciate getting a copy. Will pay cash or trade a copy of some manual I might have.

73 & Have Fun,  
Nick England KD4CPL    nick@cs.unc.edu    Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick/hobbies.html>    Chapel Hill NC

-----  
Date: Sun, 22 Feb 1998 22:09:31 -0500  
From: Richard Brisson <hagelin@magi.com>

To: boatanchors@theporch.com  
Subject: Re: San Diego BA Spots?  
Message-ID: <3.0.1.32.19980222220931.00f3f1f8@magi.com>

Recently, Dick Dillman suggested:

>If you are willing to expand your radius of operation to El Cajon I would  
>highly recommend a visit to Murphy's Surplus Warehouse, 401 North Johnson  
>Ave., phone 619-444-7717. Be sure to ask with an audience with Michael  
>Murphy himself and see if you can get access to "the back".

which I wholeheartedly agree with. I was there again this past week during  
a 4-day trip to LaJolla. Customers are currently being allowed to explore  
the back portion of the store. All I can say, it's fun going there, much  
like going to Ford's here in Smiths Falls, Ontario. This last trip was  
kind of satisfying as I brought back 4 items which fall right in my line  
of collecting ...

Every so often, Mike Murphy does put out a price/item list. Grab one as you  
go into the store. He will not be back to his store until March 5th.  
Otherwise, one can email him at:

murphy@cts.com

Best regards to all,

Richard.

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Date: Sun, 22 Feb 1998 22:08:13 -0500  
From: Jerry Proc <jproc@idirect.com>  
To: Al Klase <skywaves@bw.webex.net>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Hallicrafters S27  
Message-ID: <34F0E81D.6B46@idirect.com>

Al Klase wrote:

>  
> Jerry and The Group,  
>  
> According to the limited resources here (TME 11-227, German Radio  
> Communication Equipment, dated June 1944), the VHF airborne equipment  
> operated AM in the 38-48 MHz range.

The responses on round two were excellent! I can safely peg the S-27

frequency range

at 27-143 Mhz depending on variant, but Al Klase highlights a important fact. My goal

in trying to peg the top end of the S-27 now appears to be academic if the application was to monitor 38-48 MHz.

If the Luftwaffe was using the 38-48 MHZ range for tactical communications, then a receiver such as the erroneously identified Hallicrafters S-16 (5. to 62 MHZ) would certainly have got the job done or some any other receiver capable to tuning around that range.

>The S-16 tuned to 60MHz so it's not entirely out of the question, as  
> VHF gear was in critically short supply.

Rhetorical question - Wonder why the military would spend bug bucks on a high performance receiver when something of lesser capability would get the job done?

In the business of historical research, it seems like there is always two new questions  
for each newly discovered answer :-)

Once again, thanks to everyone who participated.

-----  
Date: Sun, 22 Feb 1998 23:31:44 -0500 (EST)  
From: Andre Guibert <aguibert@sympatico.ca>  
To: boatanchors@theporch.com  
Subject: Re: Halli. S27/SX27  
Message-ID: <199802230431.XAA28183@smtp13.bellglobal.com>

Bonsoir Jerry and the Gang

>

> I stand to be corrected, mine is a S27 and not SX27.

> The picture that triggered my search for the S27

> was in an Arrow Book and the author is Brian Johnson,  
> titled " The Secret War", no other ident.

> The few lines are as follow:

>

> On the afternoon of 21 June(1940), Wing Commender Blucke  
> reported that the Anson aircrafts were standing by.

> They had been fitted with American Hallicrafters S27  
> VHF receivers which had been designed for radio amateurs  
> but were the only sets available which covered the  
> predicted frequencies( It has been said that an RAF  
> Signal Officer bought the entire stock from Webbs radio  
> in Soho - on credit). The installation of the sets had  
> not been altogether straightforward as they had never been  
> designed to operate in an aircraft and had to be modified  
> to run from 28 volts DC instead of the normal 250 volts  
> AC.

> End of quote.

> Two notes found in crashed German A/C revealed frequencies  
> for the Beams and they were just above 30 Megs, also  
> the Lorenz type receivers found on these same A/C were  
> made to receive those frequencies(28/35 Megs)  
> It looks like that England had only receivers going  
> to 30 Megs so the S27 was a logical on the spot solution  
> with its 27 to 145 Meg bandspread.  
> Regular Lorenz landing aids did not have enough sensi-  
tivity to pick signals from Germany but the shutdown  
> A/C had suitable receivers.

> Best regards  
> Andre

-----  
Date: Mon, 23 Feb 1998 15:33:21 +1000  
From: Dave Prince <davprin@gil.com.au>  
To: jproc@idirect.com  
Cc: boatanchors@sco.theporch.com  
Subject: Re: Hallicrafters S27  
Message-ID: <34F10A21.7C43@gil.com.au>

Jerry Proc wrote:

>  
> Thanks to everyone who responded about the frequency range of an S27.  
> Unfortunately, there is a discrepancy in the upper frequency range.  
>  
G'day Jerry and the BA group

,



Well, I have an S27-D and an RBK-1 which according to the manual is also a 'D' model.

The S27-D has only one Hallicrafter I.D. Plate with no military markings. Although the front panel has been re-painted at some stage, it appears to have been originally painted a light blue color. In fact the cabinet is still painted this color. As Dick Dillman explains in his posting, it is very hard to give an accurate frequency range by referring to the dial.

The RBK-1 with several Navy Plates has the same dial markings. However, one of the I.D. Plates states that the frequency range is 27.8 to 143 Mcs. The manual also confirms this. This rx is a CHL-46130 S/N 390 and was accepted into the U.S. Navy in May, 1943.

Unfortunately, I do not have any information on any S-27 models other than the "D". Cheers from DownUnder,

--

Dave Prince VK4KDP  
davprin@gil.com.au  
Brisbane, Queensland, Australia

Collector and restorer of Military Radio and Signalling Equipment.

-----

Date: Sun, 22 Feb 1998 23:38:05 -0700 (MST)  
From: Henry van Cleef <vancleef@netcom.com>  
To: DCrespy@aol.com  
Cc: boatanchors@theporch.com  
Subject: Re: Heat and Power Transformers  
Message-ID: <199802230638.WAA26284@netcom7.netcom.com>

As DCrespy@aol.com discourses

>

> I'd be interested (and I am sure others on the list would too) to know what  
> kind of experience list members have with operating temperature of power  
> transformers. My 6 BA receivers have widely varying operating temperatures,  
> from my 2B (never re-capped and relatively cool) to my S-53 and SX-42 (both  
> completely re-capped and quite warm). I am concerned because replacing one  
> cap in my HR-10 lowered (as you'd expect for a bad leaker) the temp  
> substantially for that radio's transformer.  
>  
> How much variation do you see? How is it affected by nearby 5U4's and 6V6's  
> (like in the Hallicrafters sets)? Is there a quick way to spot badly leaking  
> caps? Is it normal for transformers to be hot to the touch (but not so hot

> you can't continue touching them..)? Enquiring minds....

>

I think I've commented on some things elsewhere. The Hallicrafters radios I have experience with have all run with very hot transformers, which is no. 21 on my list of reasons to avoid Hallicrafters. However, there are some things that influence transformer heating, both design parameters and faults, and some trouble-shooting methodologies that are fairly quick and bulletproof.

1. "Dry" electrolytics actually have a wet paste inside that dries out. Most common failure is loss of capacitance, not leakage or shorting. There is far too much attention paid to electrolytics and not enough to everything else.

2. Most common cause of excess current draw from power supplies is faults in the audio power amplifier circuits. Low-value cathode bias resistors and leaky grid coupling caps are the two major offenders. Tests are quite simple:

a. With the set powered off, check the value of the bias resistor with an ohmmeter. It should be what the resistor says. While most resistors age and/or fail upward in value, I've seen a lot in this location go low. Check the grid leak resistors too, and replace them if they are more than 10% high.

b. Pull the output tube(s), turn the set on, and check that there is no voltage being developed across the grid leak resistors. By "no voltage" I mean millivolts, maximum. This tests the coupling caps for leakage. Note that this same test can be used to check for leaking bypass caps in screen decoupling circuits where they are used. With the tube out of the circuit, there should be no voltage across the decoupling resistor (typically 2K with a .01 at the screen end).

c. Plug the output tubes in and turn the set back on. Check that there is still no voltage developed across the grid leaks (voltage here means excess grid current).

d. Check the voltage across the bias resistor and calculate the idling cathode current. Check with your favorite tube manual to see if the current matches the parameters listed. Most sets use one of the recommended manual operating points; if not, interpolate between points given.

You can predict the total B+ energy budget for the set by looking up typical values for each of the tubes in the set. This is typically about 10 ma. cathode current for each RF, Mixer, and IF stage, plus any current drawn through a VR tube. Now, measure the B-supply current. Easy way is to put a 10 ohm resistor in the B-return lead to

the power transformer and measure the voltage across it. 100 ma. will give you a volt. If your meters are not accurate, use a larger resistor, but make sure you have the actual value of the resistor used, not the nominal color-band value. I check the resistor on a precision bridge and use an HP412A, which will measure millivolts accurately. The measured value and the predicted value should match within a reasonable margin of error, and I have found that predicted is almost higher than actual in a properly-working set. You will, of course, have to add any current drawn by bleeder networks.

To find leakage, pull out all the tubes except the rectifier, leaving a resistor in place in the B-return. Make sure you allow for any bleeders, and disconnect them if necessary. Check for zero volts across the B-return resistor, and find the leakage by disconnecting things as needed. Don't ignore postage stamp caps---they are notorious for reading properly on low voltage checks and leaking like a sieve with B+ applied.

Check the value of the first (input) cap in a capacitor input filter. It should be no higher than listed on the P/L. Cap input filters reflect a terrible heating waveshape to power transformers, and the bigger the cap, the worse the effect. Hammond suggests 27% as the derating value for this, although Langford-Smith gives a value on the order of 15%, probably a function of the fact that 8-10 mfd. was used in the 1930's, and 30-40 mfd. in later RC filters. Also note that LC filters do more filtering with less losses than RC filters. Hammond makes suitable chokes, and these are preferable to use when replacing a burned-out series field coil speaker.

Check that tubes haven't been substituted with others drawing a higher heater current. Notorious example is use of 6L6 (900 ma.) in place of 6V6 (400 ma.).

I haven't talked modifications here. With a Hallicrafters radio, there is damned little to modify---Halligan's engineers were just as sharp as the Japanese at their best. Some other sets will tolerate some serious redesign, but you are going to lose your amateur standing to actually do the work and make the thing work properly afterward.

--

=====  
Hank van Cleef  
=====

-----  
  
Date: Sun, 22 Feb 1998 23:18:43 -0800  
From: Hal Waite <halwaite@sprintmail.com>

Cc: Boatanchors <boatanchors@theporch.com>  
Subject: FS: 6083/AX9909 Tubes  
Message-ID: <34F122D3.1C78@sprintmail.com>

I have several of these tubes, new in the box, made by Amperex in  
Holland. \$70 shipped.

Hal K3AB/7 Las Vegas

-----  
Date: Mon, 23 Feb 1998 01:29:22 -0800  
From: "Roger A. McCarty" <rmccarty@earthlink.net>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Subject: Johnson 500 price?  
Message-ID: <01bd403d\$8652d4c0\$9aa9d9cf@accurate-1>

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00F6\_01BD3FFA.782F94C0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Can someone help me price a Johnson 500? Cosmetic condition is described =  
as good, perhaps a 6 or 7 out of 10. Non-operational, all iron good. =  
Needs Harness from modulator to RF deck.

Any thoughts?

Thanks  
Roger KD6CC

-----=\_NextPart\_000\_00F6\_01BD3FFA.782F94C0  
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charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

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Cosmetic condition is described as good, perhaps a 6 or 7 out of 10.=20  
Non-operational, all iron good. Needs Harness from modulator to RF=20  
deck.</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 size=3D2>Any thoughts?</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 size=3D2>Thanks</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2>Roger KD6CC</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_00F6\_01BD3FFA.782F94C0--

-----  
End of BOATANCHORS Digest 1936

\*\*\*\*\*

>From ???@??? Mon Feb 23 23:24:49 1998

Message-Id: <199802232148.PAA26208@sco.theporch.com>

Date: Mon, 23 Feb 1998 15:48:52 CST

Subject: BOATANCHORS digest 1937

#### BOATANCHORS Digest 1937

Topics covered in this issue include:

- 1) bouncy drake meters  
by john <johnmb@mindspring.com>
- 2) Gear/Assessories FS  
by don merz <71333.144@compuserve.com>
- 3) Re: R-725 PT0  
by Bill Riches <richesb@algorithms.com>
- 4) Australian Military BA's  
by Dave Prince <davprin@gil.com.au>
- 5) Re: R-725 PT0  
by Bill Riches <richesb@algorithms.com>
- 6) 4KP1 & 212  
by "Claudio Marchesini" <cmr@datamat.it>
- 7) Thanks For Scope information  
by jkh@lexis-nexis.com (John Heck)
- 8) Re: R-725 PT0  
by Bill Riches <richesb@algorithms.com>
- 9) CU-872A Manual?  
by "Jay H. Miller" <jmiller@teleteam.net>
- 10) WHICH SCOPE?

- by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 11) WTB: Collins 75A  
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
  - 12) ARC-1 tuning motor needed  
by "Ian Abbott" <ian@gene.COM>
  - 13) Mil Radio Collectors Meeting  
by David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>
  - 14) Simple-minded SSB  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
  - 15) WTB Part for Collins 51J-4  
by "sierra.victor" <sierra.victor@swipnet.se>
  - 16) Re: bouncy meters  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
  - 17) Bendix RA-1B rack ??  
by BEN NOCK <G4BXD@compuserve.com>
  - 18) Drake R-4C filters ??  
by BEN NOCK <G4BXD@compuserve.com>
  - 19) unsubscribing to milcom reflector  
by k5jv@vonl.com (Lon W. Cottingham)
  - 20) Manuals  
by Jderm740@aol.com
  - 21) RE: Bouncy Meter  
by Robert Norgard <kl7fm@yahoo.com>
  - 22) Re: Measurements Corp 59 GDO  
by John R Bookout K7JB <k7jb@ptld.uswest.net>
  - 23) Manual/Schematic.  
by "Ray Allen, Sr., W2KBR/3" <raallen@erols.com>
  - 24) TESTING GAS TUBES  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
  - 25) Re: bouncy meters  
by Ho4bart@aol.com
  - 26) Measurements Model 59 Info Request  
by RSOLOMON@systems.TEXTRON.COM
  - 27) Need Bug Dope.  
by Spencer Petri <spetri@e-tex.com>

---

Date: Mon, 23 Feb 1998 06:47:30 -0500  
From: john <johnmb@mindspring.com>  
To: boatanchors@theporch.com  
Subject: bouncy drake meters  
Message-ID: <199802231148.GAA26353@camel14.mindspring.com>

I've recently finished restoring an older model TR4 with  
sucessful results, with one exception. The S-Meter, while functional,  
evidently has lost its dampening mechanism, allowing the  
meter to bounce hither and yon.

Does anyone understand the dampening operation well enough or Drake meters in general, to advise whether there's any possibility of repair, or whether I need to call Miamisburg or hunt for a junker to donate the meter?

Sure like the rig. Not bad for a "modern" radio! :-)

Best 73  
/John

```
+-----+
|Wanted:      Howard Co. receiver/acc'ys/docs      |
|              AWA-OTB back issues...              |
|              Harvey Wells R9 rx                  |
|              ----- WB50AU/4      AMI #24 ----- |
|              johnmb@mindspring..com              |
+-----+
```

-----  
Date: Mon, 23 Feb 1998 07:04:25 -0500  
From: don merz <71333.144@compuserve.com>  
To: boatanchors@theporch.com  
Subject: Gear/Assessories FS  
Message-ID: <199802230706\_MC2-3451-1B21@compuserve.com>

Vintage Radio Gear For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

Swan ST-1 antenna tuner. Kilowatt tuner that will do coax, end fed-wire or balanced line without a balun. Same spcs as Johnson Kilowatt matchbox. With instruction sheet/schematic copy. \$105

Symphonic TPS-5050 "MinniTV" (yess--2 n's in "minni"). This is one of the very early 3" B&W portable TVs. With wall wart and car adapter. Nice, original, working condition. A rare find. \$65

Eico 715 Trans/Match. Combination field strength/SWR/PWR meter with whip antenna and carry handle. Case paint and knob style matches Eico 753. Neat, scarce accessory. Some chips on handle paint. Otherwise looks great. Untested. \$33

Longines Symphonette International Pathfinder 8000 portable shortwave receiver. This radio is styled very much like the later, solid-state Transoceanics with the flip-up world time chart covering the slide-rule dial. It is covered in brown imitation woodgrain vinyl and has 8 bands covering 530kc through 175mc, all selected by push-buttons.

It has AFC but no BFO. Runs on 6 D cells or 9VDC wall wart (which is not included). Working as designed. All original. One of the two whip antennas is broken but still functions up to a point. Has wear around volume knob. Neat radio. Working well on all bands. \$65

Knight Star Roamer general coverage RX 200kc-30mc with AVC, ANL and S-meter. Front panel is excellent. Cabinet has scratches and tape residue. Rubbing compound would probably bring the cabinet 80% back. But a perfectionist would repaint it. Untested. Unmodified. Complete. \$65

Gonset Super 12 HF converter. Mobile HF converter that uses 12VDC as sole power source. The circuit uses 3 subminiature 12V tubes. Front panel is excellent. Cabinet has some scratches. With original Gonset box, original manual, warranty card, etc. Untested. Unmodified. This may have originally come with a mounting bracket which is not present on this one. Nice+. \$55

Electro-Voice 605 dynamic Hi-Z microphone. Polished stainless steel. Nice. \$35

Altec 661B microphone. Painted the famous Altec deep green. Very sharp. \$55

Military rescue radios. These modern-looking handhelds transmit and receive voice, MCW and beacon signals on 243.0mc as well as voice on 282.8mc. They use an overgrown rubber duck for an antenna. Complete instructions are printed on the back but there is no nomenclature tag anywhere. These take an oddball Mallory 303-654 14vDC round battery and one dead one is included. One of these looks like it has been to war--it has numerous paint problems and no earphone in the little accessory pouch. The other one looks almost brand new and has the earphone in the accessory pouch. Very cute. \$40 for both radios.

Western Electric KS-14537 75 ohm 20DB pushbutton attenuator. 5 steps of attenuation. BNC connectors in and out. Made by the Daven company for W.E. \$8

Measurements 59 GDO meter movement. Just the meter with clean face and no cracks or chips. \$12 PPD

Norelco TP-86 Telephone pickup coil for Norelco Continental 101 and Carry-Corder 150 tape recorders. In original plastic case with instructions. \$9 PPD

Narco LFR-3 aircraft receiver covering 200kc-1500kc in 2 bands with Narco V12P-5 12 volt power supply. Has selectable loop and antenna inputs. Appear to be original. No cable for PS to RX connection. Both units need a bath. \$25

ASL (Aircraft Specialty Lines) aircraft RDF receiver covering 200kc-1500kc in 2 bands with ASL D-12 PS-1 power supply (which uses a DM-34 dynamotor!). Includes cable for PS to radio connection. Dirty but original and interesting. \$25

Dynaco QD-1 Quadaptor. Used to make quad-sound from stereo source. has 3 tiny unoriginal holes in front panel. Strange bird. \$17

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228  
412-234-8819 (weekdays, EST)



Internet: 71333.144@compuserve.com

-----  
Date: Mon, 23 Feb 1998 08:22:43 -0500  
From: Bill Riches <richesb@algorithms.com>  
To: r390@qth.net, boatanchors@theporch.com  
Subject: Re: R-725 PTO  
Message-ID: <34F17823.32B7@algorithms.com>

Bill Riches wrote:

>  
> I want to convert a r390a pto to work in my 725 - the filament wiring is  
> different. Could anyone supply a copy of the wiring for the pto or list  
> changes in an e-mail. I don't want to take apart the working vfo to  
> draw a schematic if I don't have to.  
>

I don't need the print now as I did the conversion yesterday. It is  
real easy. If you have a R725 and need to replace the pto you can use  
an  
R390 pto. Here is the info:

1. Remove front mounting bracket, cable clamp, and 3 small screws to  
remove circuit box shield.
2. On socket of 5749 remove ground connections to pin 2,3, and center  
shield pin of socket.
3. Connect pin 2 and center shield pin to ground.
4. Add a wire between pin 3 of socket to pin C of J709, power plug. you  
may have to bend corner of shield cover so wire is not pinched. This  
new wire will probably not fit thru existing wire hole.
5. Add a .01 mf @ 1kv disk cap between pin 3 and ground.

Replace shield cover, cable clamp, and mounting bracket.

Should take 1/2 hour to do.

Good source of reconditioned pto's is Fair Radio. I received 1 that was  
within 200 hz at each 100 khz and one was 1 khz long but after adjusting  
end point it also was within 200 hz.

> 73, Bill Riches, WA2DVU

> Cape May, NJ

-----  
Date: Mon, 23 Feb 1998 23:35:00 +1000  
From: Dave Prince <davprin@gil.com.au>  
To: boatanchors@sco.theporch.com, boatanchors@sco.theporch.com  
Subject: Australian Military BA's  
Message-ID: <34F17B04.6A01@gil.com.au>

G'day Gang,  
Have a look at my first attemp at Home pages. Lots of BA  
pics. Please let me know if its slow to load because I've got too many  
pics.

<http://www.gil.com.au/~davprin>

Cheers from Down Under

--

Dave Prince VK4KDP  
davprin@gil.com.au  
Brisbane, Queensland, Australia

Collector and restorer of Military Radio and Signalling Equipment.

-----  
Date: Mon, 23 Feb 1998 08:44:41 -0500  
From: Bill Riches <richesb@algorithms.com>  
To: r390@qth.net  
Cc: boatanchors@theporch.com  
Subject: Re: R-725 PTO  
Message-ID: <34F17D49.3479@algorithms.com>

Bill Riches wrote:

>

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> > I want to convert a r390a pto to work in my 725 - the filament wiring is  
> > different. Could anyone supply a copy of the wiring for the pto or list  
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> >

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> within 200 hz at each 100 khz and one was 1 khz long but after adjusting  
> end point it also was within 200 hz.  
>  
> > 73, Bill Riches, WA2DVU  
> > Cape May, NJ

-----  
Date: Mon, 23 Feb 1998 15:15:17 +0100  
From: "Claudio Marchesini" <cmar@datamat.it>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Subject: 4KP1 & 212  
Message-ID: <01bd4065\$7753d820\$260b020a@cmar.datamat.it>

This is a multi-part message in MIME format.

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Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Gang,  
I need some help about two different tubes.  
The 4KP1 is a wonderful CRT that I'd like to use for panaroma adaptor,

I need some info about maximum HV, heater voltage, etc.  
The only think I know about 212 is that such tube is big! I'd like to =  
know some technical info...

Thank you & best 73.

Claudio  
BA collector in Italy

-----=\_NextPart\_000\_0010\_01BD406D.D9184020

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charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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<DIV><FONT color=3D#000000 size=3D2>Hi Gang,</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT><FONT size=3D2>I need some =  
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73.</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 size=3D2>Claudio<BR>BA collector in=20  
Italy</FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_0010\_01BD406D.D9184020--

-----

Date: Mon, 23 Feb 1998 09:23:43 -0500  
From: jkh@lexis-nexis.com (John Heck)  
To: boatanchors@theporch.com  
Subject: Thanks For Scope information  
Message-ID: <199802231423.JAA12746@psc7128.lexis-nexis.com>

Folks,

Would like to say thanks to all who offered suggestions for my scope choice. I met with the seller over the weekend and came away with a Tek 545A, 5 plugins(CA, 0, C, 53/54B, and 53/54K), manual, cart, and 2 10X probes. For \$75 I feel that I can have some fun with this and not be out too much. It was

demo'ed to me and seems to work FB. Has a nice bright trace, even in high level room lighting, and displays a good, sharp square wave. The fellow said he also had some other junk if I was interested.

After we settled on the scope he invited me to look around in his garage and he would sell pretty much anything he has. He is 79 and kind of getting out of the used equipment business. I did look and picked

up a Johnson Viking II with Model 122 VFO for \$25, a Model 69 RME with an \*old\* Hallicrafters speaker, all in excellent condition for \$10. Got a late 40's homebrew station with power supply, xmitter( p-p 2A3's), and a pristine Q5'er with p-p 6L6 audio stage, for \$15. And a number of other power supply pieces, a Heath O'scope, a Heath Q meter, and a nice griddip for an additional \$10. All in all, a good trip. I

missed the Great Lakes swap meet in Cincinnati, but I think it was worth it. I'm not the type who looks around for widows to take advantage of, but this gentleman had been selling regularly at swap meets and at the Hamvention for years, so I figured he knew what he was doing. He just wanted to clear out his shop and I was lucky enough to be there. I guess if you look around long enough you run into something now and then. I got lucky!

Regards,

John Heck, KC8ETS  
1009 Donson Drive  
Dayton, Ohio 45429  
(937)865-7036(work)  
jkh@lexis-nexis.com

-----

Date: Mon, 23 Feb 1998 08:57:23 -0500  
From: Bill Riches <richesb@algorithms.com>  
To: r-390@qth.net  
Cc: boatanchors@theporch.com  
Subject: Re: R-725 PTO  
Message-ID: <34F18043.45C5@algorithms.com>

Bill Riches wrote:

>  
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> >  
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> >  
> > 1. Remove front mounting bracket, cable clamp, and 3 small screws to  
> > remove circuit box shield.  
> >  
> > 2. On socket of 5749 remove ground connections to pin 2,3, and center  
> > shield pin of socket.  
> >  
> > 3. Connect pin 2 and center shield pin to ground.  
> >  
> > 4. Add a wire between pin 3 of socket to pin C of J709, power plug. you  
> > may have to bend corner of shield cover so wire is not pinched. This  
> > new wire will probably not fit thru existing wire hole.  
> >  
> > 5. Add a .01 mf @ 1kv disk cap between pin 3 and ground.  
> >  
> > Replace shield cover, cable clamp, and mounting bracket.  
> >  
> > Should take 1/2 hour to do.  
> >  
> > Good source of reconditioned pto's is Fair Radio. I received 1 that was  
> > within 200 hz at each 100 khz and one was 1 khz long but after adjusting  
> > end point it also was within 200 hz.  
> >  
> > > 73, Bill Riches, WA2DVU

> > > Cape May, NJ

-----  
Date: Mon, 23 Feb 1998 08:37:48 -0500  
From: "Jay H. Miller" <jmiller@teleteam.net>  
To: boatanchors@theporch.com  
Subject: CU-872A Manual?  
Message-ID: <l03110702b1172bf908a2@[199.34.24.26]>

Anyone have a manual or can copy same for the CU-872A/U antenna coupler?

Tnx.  
73

\*\*\*\*\* ##### \*\*\*\*\*  
Jay H. Miller, KK5IM Dallas, Texas  
The Pocket Guide to Collins Amateur Radio Equipment  
AMI#846 Collins Collectors Association  
E-Mail: jmiller@teleteam.net  
Visit My Home Page: <http://www.teleteam.com/~jmiller/>  
\*\*\*\*\* Proud to be 100% Macintosh since 1984! \*\*\*\*\*

-----  
Date: Mon, 23 Feb 1998 11:23:59 -0500 (EST)  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
To: boatanchors@theporch.com  
Subject: WHICH SCOPE?  
Message-ID: <9802231123.aa15411@pcusa01.ecunet.org>

All this talk about nice Tek scopes makes me feel a bit out of it with my  
DuMont 304-A & 304-AR!

No they don't go much above a Mhz or so but they work FB for me for low  
freq work & are easy to work on. Excellent for getting started I think. I  
had to do some minor repairs on them when they first arrived--a nice way to  
learn about 'scope cts.

No exotic tubes (except maybe the 6Q5) or circuitry or odd CRT's.  
Reasonably sensitive (.025 V p-p/inch), high-Z, freq-compensated,  
DC-coupled, balanced & unbalanced inputs, triggered sweep, 5" CRT, pretty  
stable when warmed up. The manual is nice & detailed too.

They may have been state of the art at one time, late 40's, or? DuMont was

once THE name in CRT stuff. And the MIL used these as the OS-46/U.

Price? Usually, "You take it away!"

-John Sehring (written on Sat, Feb 21, 1998 at Custer, SD) UCC WB2EQG

-----  
Date: Mon, 23 Feb 1998 10:32:33 -0600  
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>  
To: "'Boatanchors@theporch'" <boatanchors@sco.theporch.com>  
Subject: WTB: Collins 75A  
Message-ID: <21B46CBD022AD1118F0500805F15A068450977@STPMSX05.stp.guidant.com>

Greetings,

A friend (who is not on the internet) is looking for a Collins 75A in decent shape. Please email me with details, price, and your phone number. I will pass it on to him. Thanks,

Scott WA9WFA Saint Paul Minn

-----  
Date: Mon, 23 Feb 1998 08:49:15 -0800  
From: "Ian Abbott" <ian@gene.COM>  
To: boatanchors@theporch.com  
Subject: ARC-1 tuning motor needed  
Message-ID: <9802230849.ZM14962@emerald.gene.com>

Hi all-

A couple of months ago I smoked the tuning motor in my ARC-1 and I need another one. I'd \*really\* appreciate hearing from anybody who can offer one for sale or who can point me to one.

Alternatively, I'd be interested in a junker ARC-1, preferably within a couple of hours driving from the south San Francisco Bay Area region.

Keep 'em glowing!

IEA

--  
For your safety, please keep your head and hands inside the message.

-----  
Ian E. Abbott KC6UPT ian@gene.com <http://www.wenet.net/~planenut>



This is a \*personal\* message which does \*not\* represent my employer.

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Date: Mon, 23 Feb 1998 09:06:37 -0800 (PST)  
From: David Ragsdale <doragsda@polymail.cpunix.calpoly.edu>  
To: boatanchors@theporch.com  
Subject: Mil Radio Collectors Meeting  
Message-ID: <199802231706.JAA07451@rubens.artisan.calpoly.edu>

Hi Gang,

We've got the third annual Military Radio Collectors Group meet, with swap scheduled for May 2 in San Luis Obispo, California. Last year we had presentations on the BC-348, GF/RU, the "pogo stick" or guideon (can't remember the darn number) radio, as well as presentations on restoration techniques. The swap was unbelievable, with tables of NIB WWII radio gear, hundreds of manuals, etc. Displays were outstanding and we also have a BBQ lunch. This year a lot of folks are going to camp out at the site and have a mini field day on Friday, May 1.

The event is at Camp San Luis Obispo. I'll post more details as we get the agenda finalized.

Put it on your calendars.

73  
Dave Ragsdale  
KF6BOM  
doragsda@polymail.calpoly.edu

David Ragsdale, R.E.H.S., Environmental Health and Safety Manager  
Risk Management, California Polytechnic State University, San Luis Obispo  
dragsdal@calpoly.edu \*\*\*\*\* doragsda@oboe.calpoly.edu

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Date: 23 Feb 1998 11:08:10 -0600  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
To: boatanchors@sco.theporch.com  
Subject: Simple-minded SSB  
Message-ID: <1998Feb23.110811-0600@spike.vuse.vanderbilt.edu>

Because of some house rearrangement, my current workbench is limited to small BA's. This last week was spent on a fairly beat Halli S38B which I got for \$20. Once details (recapping, alignment and adding a speaker) were attended to, it worked pretty well, better than

I expected. The BFO was kind of funky, so I delved into that mechanism for a bit. This radio has perhaps the most primitive system I've seen, but properly adjusted it works fairly well. The oscillation is added by the expedient of a gimmick wire between the plate and the grid of the IF tube. After all, those tuned circuits are already there, might as well use 'em.... The oscillation is shut off by grounding the gimmick wire. In this unit the wire wasn't very strongly coupled, so I threaded it around the grid and plate leads. This yielded very strong BFO injection, so on a lark I went over to 40 meters to try it on some SSB. Worked great, very clear audio, easy to tune.

This raises the question of how simply one can get SSB? (Kind of along the lines of the FM crystal set...)

A. B. (We don' need no steenking product detectors) Bonds

-----  
Date: Mon, 23 Feb 1998 18:42:58 +0100  
From: "sierra.victor" <sierra.victor@swipnet.se>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Subject: WTB Part for Collins 51J-4  
Message-ID: <01bd4082\$7ae50f00\$a558f482@sekrasw104>

Det h r  r ett multipart-meddelande i MIME-format.

-----=\_NextPart\_000\_0027\_01BD408A.DCA97700  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all BA:s.

My 51J-4 needs a new meter switch item S-117.  
Type toggle DPDT. Or can someone tell me where to obtain this thing?  
Thanks for all info.  
73,  
Sven, SM3SV

-----=\_NextPart\_000\_0027\_01BD408A.DCA97700  
Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

```
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Hi all =
BA:s.</FONT></DIV>
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>My 51J-4 needs a new meter switch item=20
S-117.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Type toggle DPDT. Or can someone tell =
me where to=20
obtain</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>this thing?</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Thanks for all info.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>73,</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Sven, =
SM3SV&nbsp;</FONT></DIV></BODY></HTML>
```

-----=\_NextPart\_000\_0027\_01BD408A.DCA97700--

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Date: Mon, 23 Feb 1998 17:44:22 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: johnmb <johnmb@mindspring.com>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: bouncy meters  
Message-ID: <199802231744.RAA17667@punt1.hw.ac.uk>

IF it's possible to put some R in parallel with the meter movement, that will introduce some damping.

A low R could produce so much damping that it would take 1/2 hour to get to the reading. A high R produces little damping. An R equal to the coil resistance produces critical damping (I think), meaning it will just and only just overshoot once - i.e., quickest way to the right reading.

HOWEVER that same R would halve the current sensitivity so you would need to redesign the rest of the circuit. Usually that entails merely halving the series resistance.

Bill

GM8APX, qthr=No 6, EH4 6JY==No Rectangulars=Cave Felem==Ikke Hawkering

Piscis nequam est nisi recens

Net-Tamer V 1.10 - Registered

-----  
Date: Mon, 23 Feb 1998 13:28:34 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of 1 <boatanchors@sco.theporch.com>  
Subject: Bendix RA-1B rack ??  
Message-ID: <199802231329\_MC2-3465-215@compuserve.com>

Anyone have a spare mounting rack for this receiver ?

cheers, Ben G4BXD.

-----  
Date: Mon, 23 Feb 1998 13:28:31 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
To: Multiple recipients of 1 <boatanchors@sco.theporch.com>  
Subject: Drake R-4C filters ??  
Message-ID: <199802231329\_MC2-3465-212@compuserve.com>

Anyone know of a supply of AM and CW filters for the Drake R-4C ?  
and what sort of cost these go for.

Cheers, Ben G4BXD

-----  
Date: Mon, 23 Feb 1998 12:35:43 -0600  
From: k5jv@von1.com (Lon W. Cottingham)  
To: Boat Anchors <boatanchors@theporch.com>  
Subject: unsubscribing to milcom reflector  
Message-ID: <34F1C17F.E2C8587A@von1.com>

Greetings to all,

Thanks for all the help and observations about the milcom reflector. The correct answer was that the information supplied by milcom was incorrect. All of their original postings state the name of

the reflector as "milcomm", 2 m's. One of our fellow BA'ers just sent me a very gracious message telling me that he had experienced the very same problem when trying to get off of this nusence reflector. He tried omitting the second "m" and had success. He advised the list manager and got a nasty reply back. He then forwarded the original milcom message using the second "m" in several places and received no reply. The good news is that both he and myself have been able to unsubscribe and rid ourselves of this nuisance. However, I must admit that one mans nuisance is another mans pleasure.

--

73 de Lon, K5JV

-----  
Date: Mon, 23 Feb 1998 13:45:58 EST  
From: Jderm740@aol.com  
To: boatanchors@theporch.com  
Subject: Manuals  
Message-ID: <3383d059.34f1c3e9@aol.com>

Hi All

Does anyone have a manual for a Heath HP23 that I can beg borrow or steal for a reasonable price?  
Also need a manual for a RCA WR 69 Sweeper.

Jack Jderm740@aol.com

-----  
Date: Mon, 23 Feb 1998 11:37:19 -0800 (PST)  
From: Robert Norgard <kl7fm@yahoo.com>  
To: boatanchors@theporch.com  
Subject: RE: Bouncy Meter  
Message-ID: <19980223193719.15006.rocketmail@send1a.yahoomail.com>

Why not put a small cap accross the meter? TC should be  $R \star C$ .  
Possibly .33 uf?

Bob - KL7FM

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 23 Feb 1998 11:44:42 -0800  
From: John R Bookout K7JB <k7jb@ptld.uswest.net>  
To: boatanchors@theporch.com  
Subject: Re: Measurements Corp 59 GD0  
Message-ID: <34F1D1AA.53FE@ptld.uswest.net>

Hi Gang:

I have acquired a Measurements Corp. Model 59 Grid Dip Oscillator. Someone here on BA brought it to our attention as being auctioned on E-Bay and offered help with a manual or schematic. Some how I can't find his e-mail address so I am hoping this post will turn up something for this old antique which needs some attention.

Specific questions:

- 1). Value of power supply 10 watt chassis mount wire wound resistor.
- 2). Acorn tube number used in the tuning head as I can't find any numbers on the Acorn in the set.
- 3). Need Schematic to make restoration.

Many Thanks,

73's John

-----  
Date: Mon, 23 Feb 1998 14:45:18 -0500  
From: "Ray Allen, Sr., W2KBR/3" <raallen@erols.com>  
To: boatanchors@theporch.com  
Subject: Manual/Schematic.  
Message-ID: <34F1D1CE.372@erols.com>

BA Crew:

Looking for manual and/or schematic for Hammarlund HQ-100-.....

I believe it's a C...cud be an O, but methinks C is more in order.  
Original or copy, copying/mailling paid for of course.....thanks  
Please reply direct save List BW....  
es 73 Ray

--

Ray Allen, Sr., W2KBR/3  
8303 Grainfield Road  
Severn, Maryland, 21144-2331

-----

Date: Mon, 23 Feb 1998 19:54:43 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: boatanchors <boatanchors@theporch.com>  
Subject: TESTING GAS TUBES  
Message-ID: <199802231954.TAA19918@punt1.hw.ac.uk>

I'm getting very strange results trying to test gas-filled voltage regulators.

Using the same socket on the valve tester, I have tested ordinary high vacuum valves known to be good, and got all the right answers.

However, plug in a gas filled valve and connect ONLY ONE pin, and I get an indication of considerable current flow (not excessive - just considerable - say around 30 mA).

The tester applies ALTERNATING potentials to the electrodes chosen; and I have treble checked which circuit goes to which pin.

So I was assuming some capacitive effect allowed the noticeable current to flow with only one pin connected; but there are no capacitors over 0.01 uF in the circuit, the peak voltage available (anywhere) is 320, and the meter sensitivity (all protection, shunts, series R etc removed) is 35 uA.

There must be an obvious answer; but it's not obvious to ME!

(It's a very old AVO valve tester; this is the only freakish thing it does to my knowledge.)

MTIA and UN -

Bill  
GM8APX, qthr=No 6, EH4 6JY==No Rectangulars=Cave Felem==Ikke Hawkering

Quem deus vult perdere prius dementat

Net-Tamer V 1.10 - Registered

-----  
Date: Mon, 23 Feb 1998 15:49:41 EST  
From: Ho4bart@aol.com  
To: B.H.Jarvis@hw.ac.uk, boatanchors@theporch.com  
Subject: Re: bouncy meters  
Message-ID: <12148926.34f1e0e7@aol.com>

In a message dated 98-02-23 12:52:23 EST, B.H.Jarvis@hw.ac.uk writes:

>  
> IF it's possible to put some R in parallel with the meter movement, that  
> will introduce some damping.  
>  
> A low R could produce so much damping that it would take 1/2 hour to get  
> to the reading. A high R produces little damping. An R equal to the coil  
> resistance produces critical damping (I think), meaning it will just and  
> only just overshoot once - i.e., quickest way to the right reading.

---why not use a low leakage capacitor? probably this would be in the low  
uF range, and you could probably even do a ballpark guesstimation for the  
value, figuring the time constant with the meter R.  
hue

-----  
Date: Mon, 23 Feb 1998 15:44:11 -0500  
From: RSOLOMON@systems.TEXTRON.COM  
To: " - (052)boatanchors(a)sco.theporch.com"  
<boatanchors@sco.theporch.com>  
Subject: Measurements Model 59 Info Request  
Message-ID: <00341000025104270000002L072\*@MHS>

I have a manual for the Measurements Model 59 GDO. If "John" can  
contact me directly (w1ksz@tiac.net), I will answer his (and anyone  
else's) questions.

This bloody cc:Mail is configured so as not to show who the message  
is from, so don't know who "John" is. Company's idea on how to keep  
us off the "Net" during the day.

73, Dick, W1KSZ

-----  
Date: Mon, 23 Feb 1998 15:45:17 -0600 (CST)



From: Spencer Petri <spetri@e-tex.com>  
To: boatanchors@theporch.com  
Subject: Need Bug Dope.  
Message-ID: <199802232145.PAA26099@sco.theporch.com>

Greetings,

I've got an old bug here. The name plate is now a piece of rusty metal. This thing must have been navy, as it is battleship gray, weighs a little less than 4.5 lbs and has two holes thru the base for mounting to a table. In pretty good shape but no weight and someone took the pliers to one of the spacing screws. Any help?

73 de Pete WA5JCI EM21 "the future will be better tomorrow"

.....  
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/626 Grids  
.....  
2 Mtr -- 36 States -- VUCC #346/183 Grids

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End of BOATANCHORS Digest 1937  
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